

# **SERIES 3400**

**PORTABLE COMMUNICATION  
SYSTEM with  
NOISE ATTENUATING  
HEADSETS**



- A SELF-CONTAINED PORTABLE COMMUNICATION SYSTEM
- CAN ACCOMMODATE UP TO 32 PEOPLE

- STURDY CONSTRUCTION FOR RUGGED APPLICATIONS
- HANDS FREE COMMUNICATIONS



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# SERIES 3400 PORTABLE COMMUNICATION

The Series 3400 amplified Communication System is a self-contained, portable, easy-to-operate system for rugged applications. When voice communications are necessary but background noises and/or distance make it virtually impossible to communicate, our Series 3400 System can provide the solution.

The Series 3400 System requires:

- U3400 Master Station (amplifier/power supply).
- Two or more noise-attenuating Headsets.
- Comparable number of Belt Stations.
- **Every Headset in the system must be plugged into a Belt Station.**



## U3400 MASTER STATION

The U3400 Master Station is the heart of the Series 3400 Communication System. It contains the power supply, amplifier and impedance selector in a single, sturdy metal box. The Master Station also has four output connectors, a 12-foot grounded power cord, roll bar/carry handle, master volume control, and system on/off switch.

Belt Stations can be connected to the four Master Station outputs (via extension cords if distance necessitates) to form a four-man communication system. Also, Remote Junction Modules may be connected to these outputs to expand the system. See Applications on page 5.

**SPECIFICATIONS:** Input 110-125 VAC, 50-60 Hz, Output 24 VDC, Max current 1/2 amp. Dimensions: 5 3/4" x 9 1/2" x 4 3/4".



## U3401 REMOTE JUNCTION MODULE

U3401 Remote Junction Modules are used to provide additional Belt Station connections. Each can accommodate three Belt Station connections or two Belt Station connections and another Remote Junction Module or extension cord. Your requirements dictate the particular system arrangement up to a limit of 32 headsets. See Applications on page 5.

**Note:** Every Headset must be connected to a Belt Station.

**Belt Stations connect to the Master Station or Remote Junction Module.**

- Notes:**
1. A maximum of 32 Headsets can be accommodated within a system.
  2. Belt Station must be used with each Headset.
  3. A maximum of 2,000 feet of cord can be used including the extension cords and cords on belt stations. For greater lengths, consult the factory.

To expand the system to accommodate up to 32 people, you merely add the necessary Remote Junction Modules, Headsets, Belt Stations and Extension Cords. The Junction Modules can be connected in any configuration to provide desired Belt Station/Headset connections because there are no "wrong" system configurations. You must preset the Impedance Selector on the Master Station to correspond with the total number of Belt Stations connected to the system. Screw-on type connectors are used throughout.

Series 3400 Communication System utilizes four-conductor shielded wire, which provides effective shielding from other electrical interference caused by fluorescent lights, motors, etc. It also isolates talk line from listen line.

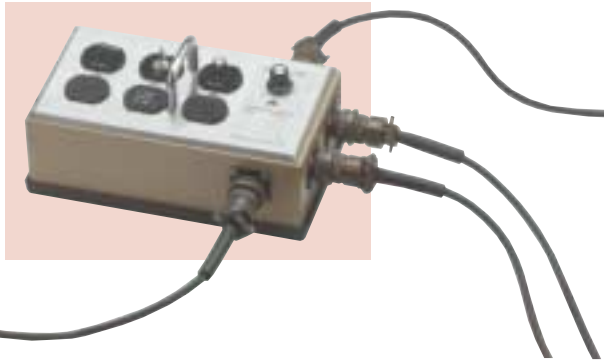
The Series 3400 System is ideally suited for communication on construction sites, crane operations, oil rigs, large manufacturing facilities, steel mills, mines, sporting events, concerts, racing, large open work areas, around noisy equipment, etc.



## U3410 PTT (PUSH-TO-TALK) BELT STATION

U3410 Belt Station features—Push-to-Talk or slide to lock-on microphone switch, headset jack, headset listen level control, belt clip, 12-foot straight cord with MS connector.

# SYSTEM CONFIGURATION

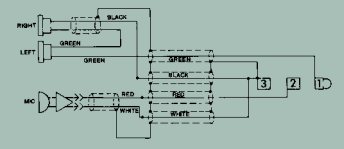


## MODEL V3412 VOX (VOICE ACTIVATED) BELT STATION

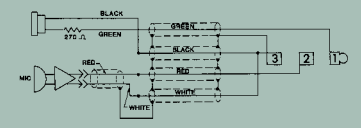
V3412 VOX Belt Station features—Adjustable squelch control for voice activated circuit, manual PTT override switch, headset jack, headset listen level control, belt clip, 12-foot straight cord with MS connector. Speaking into the microphone on a headset activates the Belt Station, providing hands-free operation.

## MODEL C34-12\*, C34-25, C34-50, C34-100 EXTENSION CORD

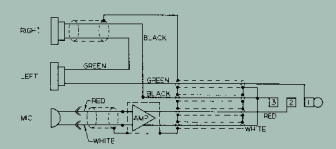
Extension cords with screw-on type connectors are used to expand the system to cover a larger area. These cords can be used to connect all components—Master Station, Remote Junction Modules and Belt Stations. (\*Number after dash indicates length in feet)



Schematic for: H3330, H3340, H3430 and H3440



Schematic for: H3391



Schematic for: H3140

## SERIES 3300 HEADSETS - *STANDARD*

The choice for rugged, reliable communications in high-noise environments. The Series 3300 Headsets feature David Clark Company's M-1/DC Noise Canceling Microphone.



### MODEL H3330 HEADSET/MICROPHONE

*Over-the-Head style.*  
Microphone: M-1/DC Amplified Dynamic (nominal 100 ohm)  
Boom: Has four different adjustment points for perfect microphone placement. Can be rotated to position microphone on left or right side.  
Earphone: Lightweight Dynamic (nominal 300 ohm) wired in series  
Cord: 4 conductor, 28"  
Plug: 2P-1643  
NRR: 24dB

## SERIES 3400 HEADSETS - *PREMIUM*

Your choice when comfort is a priority. Series 3400 Headsets feature David Clark Company's M-7A Noise Canceling Electret Microphone, fully flexible boom, and silicone gel ear seals.



### MODEL H3430 HEADSET/MICROPHONE

*Over-the-Head style.*  
Microphone: M-7A Electret (nominal 50 ohm)  
Boom: Full flex for precise microphone positioning. Rotates for left or right side placement.  
Earphone: Lightweight Dynamic (nominal 300 ohm) wired in series  
Cord: 4 conductor, 28"  
Plug: 2P-1643  
NRR: 23dB



### MODEL H3340 HEADSET/MICROPHONE

*Designed to be worn with Safety Cap.*  
Same specifications as H3330 (shown above).



### MODEL H3440 HEADSET/MICROPHONE

*Designed to be worn with Safety Cap.*  
Same specifications as H3430 (shown above).



### MODEL H3391 HEADSET/MICROPHONE

*Single Ear.*  
Same specifications as H3330 (shown above).



### MODEL H3140 HEADSET/MICROPHONE

*Designed to be worn with Safety Cap.*  
Microphone: Throat Microphone, Amplified Electret Element (nominal 100 ohm)  
Earphone: Lightweight Dynamic (nominal 300 ohm) wired in series  
Cord: 4 conductor, 28"  
Plug: 2P-1643  
NRR: 23dB

*Note: Either Series Headset can also be used in Series 3100 Communication System.*

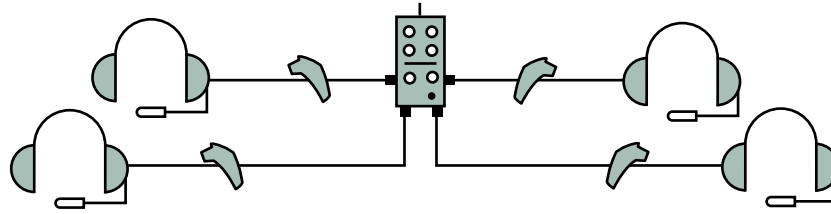
**MODEL H3441** - Single Ear Version of H3440 (left earcup vented, no receiver).

**MODEL H3051** - Listen Only Version of H3330. NRR: 24dB.

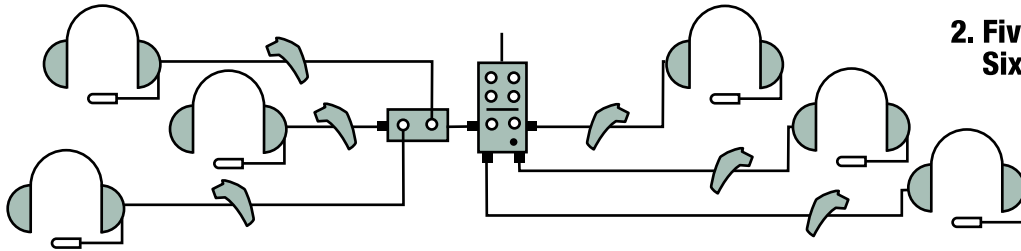
**MODEL H3061** - Listen Only Version of H3340. NRR: 23dB.

*Note: Models H3310 and H3320 are available with noise-shielded microphones for extremely high noise areas.*

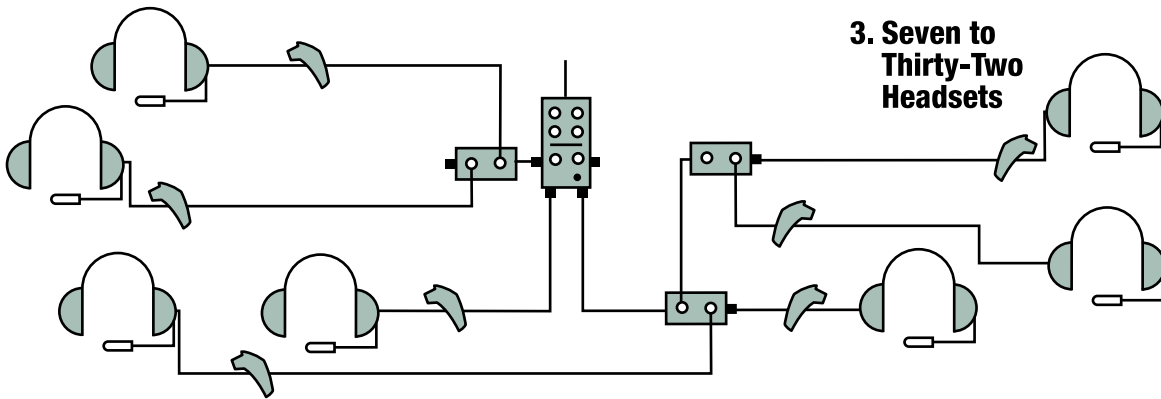
# TYPICAL SERIES 3400 APPLICATIONS



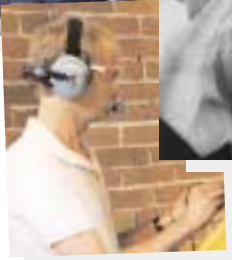
**1. Two to Four Headsets**



**2. Five to Six Headsets**



**3. Seven to Thirty-Two Headsets**



***You should hear what you're missing!***



## COMMUNICATION SOLUTIONS FOR HIGH-NOISE ENVIRONMENTS

David Clark Company offers Series 3100 and Series 3800 Communication Systems for use with noise-attenuating headsets.



The David Clark Company Series 3100 modular intercom system for fixed installations is designed to allow maximum flexibility and still meet the design criteria of most headset intercom applications. The system is flexible, low cost, and versatile enough for even complex intercom requirements. The system is easy to install, as all the electronic modules are designed for standard electrical outlet boxes and/or audio rack mounting.

*DAVID CLARK COMPANY System components from Series 3100 and Series 3400 may be mixed for greater flexibility in designing Communication Systems. Consult factory for assistance.*



The David Clark Company Series 3800 Vehicle Intercom System is designed to solve communication problems in high-noise environments, especially those associated with emergency operations. This weather-tight communication system allows multi-radio access and monitoring and uses 12 or 24 volt DC power.

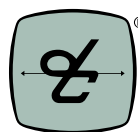
*Voice Powered System components may not be mixed with other systems.*

*For assistance in customizing your Series 3400 Portable Communication System call David Clark Company at: 1-800-900-3434.*

DISTRIBUTED BY:



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